

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences Examination (Semester-I) – February-2011

Time: 2 Hrs.

[Max. Marks: 50]

ANATOMY

Q.P Code: AHS101

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2X 10 = 20 Marks

1. Describe the blood supply of the heart.
2. Enumerate the parts of the G.I tract. Describe in detail the gross anatomy of the stomach.

SHORT ESSAY

3 X 5 = 15 Marks

3. Classify glands with examples.
4. Describe the microscopic structure of spleen.
5. Describe the gross anatomy of the pancreas in detail.

SHORT ANSWERS

5 X 3 = 15 Marks

6. Waldeyer's ring
7. Draw and label microscopic structure of trachea
8. Enumerate the branches of axillary artery
9. Bronchopulmonary segments
10. Parts and functions of gall bladder.

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PHYSIOLOGY

Q.P Code: AHS103

*Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.*

LONG ESSAY

2X 10 = 20 Marks

1. Name the Anterior Pituitary hormones. Describe the actions of Growth Hormone.
Add a note on its abnormal secretion
2. Describe the properties of Skeletal muscle.

SHORT ESSAY

3 X 5 = 15 Marks

3. Neuromuscular junction
4. Define erythropoiesis and briefly explain the steps of the same.
5. Define Landstainer's law and what are the specifications of it.

SHORT ANSWERS

5 X 3 = 15 Marks

6. Draw a diagram of nephron and label the parts
7. Define menstruation. Mention its phases
8. Active transport
9. Functions of Ribosomes
10. Grave's disease.

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BIOCHEMISTRY

Q.P Code: AHS105

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Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2X 10 = 20 Marks

1. Describe Lowery-Bronsted theory of Acids and bases. Write the difference between acids and bases.
2. Describe Rutherford's model of atomic structure and explain the properties of electrons, protons, neutrons and nucleus

SHORT ESSAY

3 X 5 = 15 Marks

3. Explain what is quality control and write about different types of quality control.
4. Write the use, care and maintenance of water bath.
5. Explain about specimen collection and mention the pre-analytical errors.

SHORT ANSWERS

5 X 3 = 15 Marks

6. Define valency and bond.
7. Name 3 different types of centrifuges
8. Name 3 anticoagulants used for blood collection
9. Define buffer and pH
10. List 3 commonly used indicators for titration

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2010-11 /

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Time: 2 Hrs.

[Max. Marks: 50]

MICROBIOLOGY

Q.P Code: AHS109

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2X 10 = 20 Marks

1. Draw a neat labelled diagram of the bacterial cell. Describe in detail, the “Bacterial cell wall”. Add a note on Bacterial pleomorphism. (3+5+2)
2. Define Infection. Mention the different sources of infection in a hospital environment. Mention the role of the “Hospital Infection Control Committee” in prevention and control of Hospital acquired infections. (2+3+5)

SHORT ESSAY

3 X 5 = 15 Marks

3. Sterilization using hot air oven.
4. Antibiotic sensitivity testing by Kirby Bauer’s technique
5. Mc.Intosh Fildes’ anaerobic jar

SHORT ANSWERS

5 X 3 = 15 Marks

6. Mention disinfectants used in practice of Hand hygiene
7. Principle of Electron Microscopy
8. Mention need for participation in “External Quality Control Programmes”
9. Mention three selective media used in diagnostic bacteriology
10. Mention three examples of capsulated bacteria

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2018-11/

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PATHOLOGY

Q.P Code: AHS107

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2X 10 = 20 Marks

1. What are the normal constituents of Blood? Enumerate the different methods of collection of Blood. Discuss briefly the various anticoagulants used in haematology.
2. Discuss briefly the physical, chemical and microscopic examination of urine.

SHORT ESSAY

3 X 5 = 15 Marks

3. Haemoglobin estimation.
4. Cleaning of glassware in haematology lab.
5. Blood grouping and cross matching.

SHORT ANSWERS

5 X 3 = 15 Marks

6. PCV
7. Prothrombin time
8. Lab. Safety guidelines
9. ESR tube
10. Disinfectants used in laboratory

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